

## EXHIBIT N

### PUBLICATIONS REQUIREMENTS

1. PREPARATION INSTRUCTIONS. You shall deliver supplemented commercial manuals, and Electronic Technical Manuals (ETMs) in accordance with guidance below.

a. Draft Equipment Publication (DEP). For DEP delivery contractor shall provide complete publication(s), that is, validated draft supplemental data pages integrated into the commercial manual(s). DEP manual(s) shall be representative of the final product. Supplemental data illustrations may be un-inked, call-outs may be handwritten, or typed, contents must be clearly legible with content and format as for final. DEP copies shall be reproduced back to back, collated and assembled, with each copy drilled for standard three-hole punch. See paragraph 4 below for ETMs requirements.

b. Final Draft Equipment Publication (FDEP). For FDEP delivery you shall provide complete publication(s), that is, final supplemental data pages integrated into the commercial manual(s). FDEP shall include all changes and final resolutions resulting from our reviews and tests as well as your quality reviews and final edit. Supplemental data illustrations shall be inked and all call-outs and text shall be typeset type-type. FDEP manual(s) delivery shall include:

(1) Copies of final manual(s) in the necessary quantities, each reproduced back to back, collated and assembled, and drilled for standard three-hole punch.

(2) Final Reproducible Copy (FRC), commercial manuals and all supplementation shall be single-sided reproducible pages, collated and ready for one-to-one reproduction. FRC pages produced from a 600 dot-per-inch laser printer or Photo Mechanical of original master paste-up boards are acceptable. The intent is to receive crisp, clear, reproducible pages without paste-up, ready for one-to-one reproduction without additional work or loss of quality due to handling or storage.

2. SPECIFICATIONS. The specifications shown below shall be used for guidance. Offerors shall respond to the latest version at date of award. Copies can be obtained via web site: [www.logsa.army.mil:80/mil40051/menu.htm](http://www.logsa.army.mil:80/mil40051/menu.htm)

MIL-STD-40051  
MIL-STD-40051-5  
MIL-STD-40051-7

### 3. CLARIFICATIONS:

a. Safety information, army unique warnings and noise hazard profile related to noise hazards shall be added to commercial manual, supplemental data if 85 dB(A) noise level is exceeded. NOTE: DO NOT include any Class I Ozone Depleting Chemicals (ODC's) or reference to ODC's in the commercial manuals or supplemental data.

b. All illustrations in supplemental data shall be line drawings. If prescreened photographs and halftones appear in commercial manual, you must assure delivery of final copy that will provide clear legible illustrations after reproduction.

c. Illustrations in supplemental data: operation and maintenance illustrations shall be isometric and provide view as seen by user. Illustrations shall appear on same or facing page as applicable text; quantity and type of illustration shall allow user to locate items and operate and maintain equipment in an accurate and efficient manner.

d. Organization of commercial manuals with supplemental data shall provide usable, prompt access to required information.

e. Incorporate appropriate lubrication instructions into the Operator and Unit Preventive Maintenance Checks and Services at the applicable hard time intervals IAW MIL-STD-40051-5, para. 5.4.5.3 and Figure 6. Include Army Oil Analysis Program (AOAP) instructions, if applicable and any initial, onetime or warranty related requirements.

f. Prepare an operator/crew Preventive Maintenance Checks and Services (PMCS) as supplemental data pages to the Commercial Operator Manual IAW MIL-STD-40051-5, para. 5.4.5.3 and Figures 6 and 7. The operator/crew checks and services must only require easy-to-use common tools which are included in the Basic Issue Item's furnished with and stored on the vehicle during operation. Operator/crew PMCS will include intervals such as; before, during, after, weekly and monthly, as applicable.

g. Prepare a Unit Preventive Maintenance Checks and Services (PMCS) as supplemental data pages to the Commercial Manual containing Unit level tasks IAW MIL-STD-40051-5, para. 5.4.5.3 and Figures 8, 9 and 10. The Unit PMCS will include intervals such as; Quarterly, Semiannually or Annually.

h. Develop, update a Maintenance Allocation Chart (MAC) as supplemental data IAW MIL-STD-40051-7, para. 5.3.3 and Figures 2, 4, and 6. The MAC shall be in contractor's assembly/subassembly sequence to conform with commercial manuals and MIL-STD-40051-7, para. 5.3.3.1. You shall update the MAC throughout the performance period of the contract, including results of your analysis, vehicle testing, validation, verification and review of commercial manuals and supplemental data. You shall perform an analysis to identify the extent of repair for each potentially repairable item and recommend the maintenance level to perform the work within the Army Maintenance System (AR 750-1, chapter 3, section 3, paragraphs 3-8 thru 3-11 can be found at the following WEB address:

<http://www.atsc-army.org/cgi-bin/atdl.dll/ar/750-1/ar7501toc.htm>

Variables such as item price, parts prices, failure rates of the repairable item, and piece parts, labor costs, and the cost of special tools and equipment shall be considered.

i. Prepare Components of End Item (COEI) and Basic Issue Items (BII) lists as supplemental data page(s) IAW MIL-STD-40051-7, para. 5.5 and Figure 8.

j. Prepare Additional Authorized List (AAL) as supplemental data page(s) IAW MIL-STD-40051-7, para. 5.6 and Figure 9.

k. Prepare an updated, revised Appendix A, References; see MIL-STD-40051-7, Figure 1.

l. Prepare a Parts cross reference list showing Manufacturer's CAGE Code and Part Number, ~~and prices for delivery CONUS and OCONUS, and a separate~~ \*  
~~cross reference list showing~~ Vendor CAGE Code and Part Number and applicable\*  
government furnished National Stock Numbers (NSNs). \*

\*Page changed by Amendment 0002

#### 4. ELECTRONIC TECHNICAL MANUALS (ETMs):

a. The contractor shall develop separate Electronic Technical Manuals (ETMs) based on the separate commercial technical manuals and supplemental data using the portable document exchange system Acrobat (Adobe Systems). The contractor shall use the hypertext capabilities of Acrobat to link all page references including the table of contents and indexes that are internal to a single book. The contractor shall use the hyperlink engine InfoLinker (Alliant Techsystems) to make external links to other books in the set of manuals that will reside on the same Compact Disc, Read Only Memory (CD-ROM).

b. The contractor shall create *editable* Microsoft (MS) Word files \* containing all the text of the ETMs and create Computer Graphics Megafile \* (CGM) or Consultive Committee on International Telephony and Telegraphy (CCITT) Group 4 files containing all the graphics, line drawings, halftones, photographs, of the ETMs.

c. The contractor shall deliver the Acrobat ETMs on three separate International Organization for Standardization (ISO) 9660 CD-ROM. Deliver the three separate MS Word files and graphic files on three separate ISO 9660 CD-ROM.

d. The contractor shall provide the government with validated draft ETMs ~~concurrent with the~~ and paper draft commercial manuals ~~and~~ with supplemental \* data in accordance with the CDRLs. The contractor's validation shall be \* hands-on live testing, desktop review, or a combination of these methods to ensure that the draft ETMs are fully operational so that the government can evaluate their operation, navigation and structure. The paper copy draft commercial manuals with supplemental data and the ETMs shall be mutually inclusive of data, text and art, and format. The contractor shall give the government a 30 day notice of the time and place of their ETMs validation so the government may attend such a validation.

e. The contractor shall provide the government with final draft ETMs ~~concurrent with the~~ and paper final draft commercial manuals ~~and~~ with \* supplemental data in accordance with the CDRLs. All errors discovered by the \* government or contractor during validation, verification and reviews shall be corrected by the contractor at no additional charge. All changes to the roller configurations shall be accurately reflected in both the ETMs and paper commercial manuals and supplemental data at no additional cost.

#### 5. Quality Assurance.

a. You shall be responsible for the quality of the commercial manual, supplemental data and ETM's and for developing effective processes to develop, test and inspect the deliverables, ensuring technical accuracy, usability, completeness (within the scope of the contract), consistency and generally meet contract requirements prior to delivery.

b. Validation is a process where you must physically perform one hundred percent of the procedures developed to support the vehicle configurations being procured. Validation is an action performed on text and illustrations developed to meet contract requirements; therefore development and validation of data cannot be done simultaneously. Existing data, proven in the market place in an existing commercial manual need not be performance validated; such data must be reviewed to ensure accurate information and usable incorporation into the manuals with supplemental data. Validation also includes your comparative review of all other technical data to the configuration of the item being procured. The validation effort shall assure that both text and illustrations are mutually supportive and accurately describe, reflect the vehicle configurations being procured.

**\*Page changed by Amendment 0002**

c. You shall support In Process Reviews (IPR's) by providing samples of work accomplished to date or other requested data and identify improvements to your manuals, data or QA process required as a result of IPR comments. We plan to witness your validation of the supplemental data and ETMs.

d. We may use the commercial manuals, supplemental data and ETMs when testing the end items to determine their accuracy and usability.

e. We reserve the right to perform reviews and testing (verification) for accuracy and usability at our discretion prior to acceptance of the final deliveries. Verification is our hands-on performance check of tasks and deliveries to check the adequacy of your preparation and validation efforts. You must furnish approved configurations of the end items to TACOM for our verification to be held after you deliver the draft manuals, supplemental data and ETMs to us.

f. We will evaluate the TM for compliance to contract requirements to determine acceptance of the TM. Our usability standard for acceptance of a TM, in addition to requirements already stated, will be based on our determination that all information is presented in such a way that it can be easily identified and found, read and understood, and includes illustration support where needed.

g. If we find errors or deficiencies in your deliveries during our reviews or testing you shall correct them at no additional cost to us.

#### 6. Government Furnished Information (GFI).

a. We will provide the following at the Start of Work meeting: The Technical Manual numbers, the end items NSN (if available) and official nomenclatures, distribution statements (information required on the covers you shall prepare).

b. We will furnish updated Army regulations and Technical Manual numbers and titles to be included in Appendix A, References.

7. Reference. You are invited to use the military performance standard, MIL-STD-40051, dated 31 July 1996, for guidelines and examples of the Technical Manual content and format that meet Army requirements. The cited MIL-STD is not mandatory, except for portions specifically included or identified in this contract. The referenced standard, MIL-STD-40051, is a single book with 8 parts numbered as -40051, - 40051-1 through - 40051-7. The all inclusive standard includes information on technical manual preparation and assembly and introductory, theory, operator, troubleshooting, maintenance, repair parts and special tools lists and supporting information previously contained in numerous, separate, detailed specifications and standards.